



U.S. Department
of Transportation
**Research and
Special Programs
Administration**

400 Seventh St., S.W.
Washington, D.C. 20590

APR 18 2001

DOT-E 10323
(FOURTH REVISION)

EXPIRATION DATE: March 31, 2003

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Solkatronic Chemicals, a business unit of
Air Products and Chemicals, Inc.
Fairfield, New Jersey
2. PURPOSE AND LIMITATIONS:
 - a. This exemption authorizes the manufacture, mark, sale and use of non-DOT specification full-opening head salvage cylinder of 8 gallons capacity for overpacking damaged or leaking packages of pressurized and non-pressurized hazardous materials described in paragraph 6 below. This exemption provides no relief from any Hazardous Materials Regulation (HMR) other than as specifically stated herein.
 - b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171- 180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 173.34, § 173.192, § 173.201, § 173.202, § 173.203, § 173.226, § 173.227, § 173.302 and § 173.304, except as prescribed herein.
5. BASIS: This exemption is based on the application of Solkatronic Chemicals, Inc. dated January 2, 2001, submitted in accordance with § 107.109.

APR 18 2001

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Proper Shipping Name/ Hazardous Materials Description	Hazard Class/ Division	Identi- fication Number	Packing Group
Class 3 & 8 materials, Division 2.1 gases (except acetylene), 6.1 and 2.3 materials authorized for shipment in DOT Specification cylinders.	As Appro- priate	As Appro- priate	As Appro- priate

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Prescribed packaging is a carbon steel non-DOT specification full-open head "salvage" cylinder of welded construction. The "salvage" cylinder must be designed, constructed and stamped in accordance with Section VIII of the ASME Code for a maximum allowable working pressure (MAWP) of 1,480 psig. The cylinder may only be used to overpack damaged or leaking DOT specification or exemption cylinders and must be in conformance with Fluitron, Inc. Drawing number D-1443, dated 8/17/89, and the drawings submitted with the petitioner's application on file with the Office of Hazardous Materials Exemptions and Approvals (OHMEA) as follows:

Maximum volume	8 gallons (30.24 liters)
Material	SA 106 Grade C carbon steel
Outside diameter	13-3/4 inches, nominal
Length	44-3/4 inches, nominal
Sidewall thickness	0.5 inch, nominal
Maximum allowable working pressure (MAWP)	1480 psig
Test Pressure	2220 psig
Openings:	
On opening top head	One 1/4 inch NPT for a pressure gauge, and one 1/2 inch NPT for a purge valve

On bottom	One 1/2 inch NPT for a purge valve
Pressure relief devices	None

b. TESTING -

1. Each salvage cylinder must be visually inspected (internally and externally) and hydrostatically tested at 2220 psig at least once every 2 years. The pressure must be stabilized and held for a period of 5 minutes without a leak..

2. Effective July 1, 2001, a record of test for each cylinder must be kept on file at the test facility and made available to a DOT representative upon request.

c. OPERATIONAL CONTROLS -

1. Each salvage cylinder must be plainly marked on the cylinder sidewall, 180 degrees apart, in letters at least 2 inches high on a contrasting background, "DOT-E 10323" and the words "SALVAGE CYLINDER".

2. Damaged cylinders containing liquefied gases with a vapor pressure exceeding 1480 psig at 70°F are not authorized to be transported under the terms of this exemption.

3. Nonliquefied gases in a damaged cylinder to be transported must be limited in pressure and volume so that if totally discharged into the salvage cylinder the pressure at 70°F will not exceed 1480 psig.

4. Each assembly must be securely lashed in an upright position to the motor vehicle by a securement system that conforms with the requirements contained in §§ 393.100 through DOT representative upon request 393.106.

5. Each salvage cylinder must be labeled as prescribed for the material in the damaged or leaking cylinder.

8. SPECIAL PROVISIONS:

a. In accordance with the provisions of Paragraph (b) of § 173.22a, persons may use the packaging authorized by this exemption for the transportation of the hazardous materials specified in paragraph 6, only in conformance with the terms of this exemption.

b. A person who is not a holder of this exemption, but receives a package covered by this exemption, may reoffer it for transportation provided no modifications or changes are made to the package and it is offered for transportation in conformance with this exemption and the HMR.

c. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.

d. Each packaging manufactured under the authority of this exemption must be either (1) marked with the name of the manufacturer and location (city and state) of the facility at which it is manufactured or (2) marked with a registration symbol designated by the Office of Hazardous Materials Exemptions and Approvals for a specific manufacturing facility.

e. A current copy of this exemption must be maintained at each facility where the package is manufactured under this exemption. It must be made available to a DOT representative upon request.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle and cargo vessel.

10. MODAL REQUIREMENTS:

a. A current copy of this exemption must be carried aboard each cargo vessel or motor vehicle used to transport packages covered by this exemption.

b. Drivers must have been instructed as to necessary safeguards and proper procedures in the event of unusual delay, fire, or accident. The loaded salvage cylinder must be delivered to the consignor or the consignee as soon as practicable. Drivers and other persons who

APR 18 2001

load/unload or transport the salvage cylinder must be trained in handling and loading/unloading the salvage cylinder.

c. Transportation is limited to motor vehicles owned or leased by Solkatronic Chemicals Inc., or its customers or vehicles owned or leased by contract carriers employed by Solkatronic Chemicals, Inc. or its customers.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:


- o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, Parts 171-180.
- o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when the exemption has expired or is otherwise no longer in effect.

12. REPORTING REQUIREMENTS: The carrier is required to report any incident involving loss of packaging contents or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable. (Sections 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.) In addition, the holder(s) of this exemption must also inform the AAHMS, in writing, as soon as practicable of any incidents involving the package and shipments made under this exemption.

Issued in Washington, D.C.



for Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

APR 18 2001
(DATE)

Address all inquiries to: Associate Administrator for
Hazardous Materials Safety, Research and Special Programs
Administration, Department of Transportation, Washington, D.C.
20590. Attention: DHM-31.

The original of this exemption is on file at the above office.
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PO: sdc